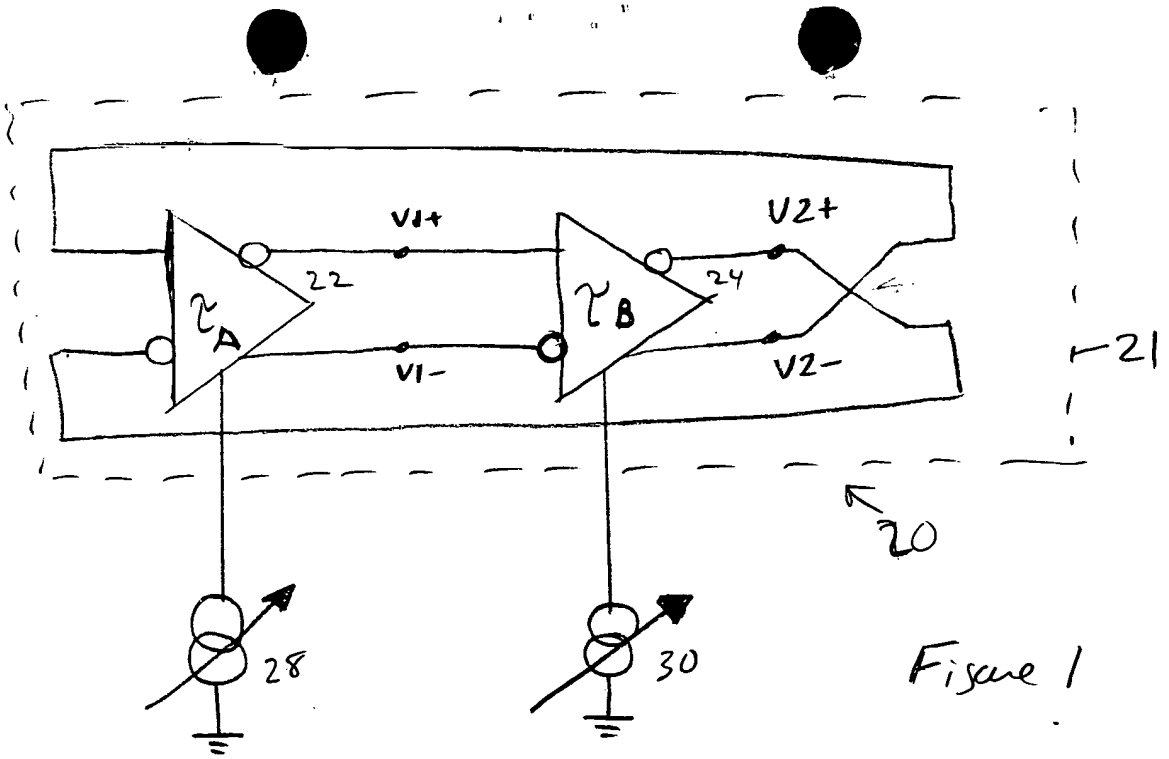

Fisure 1

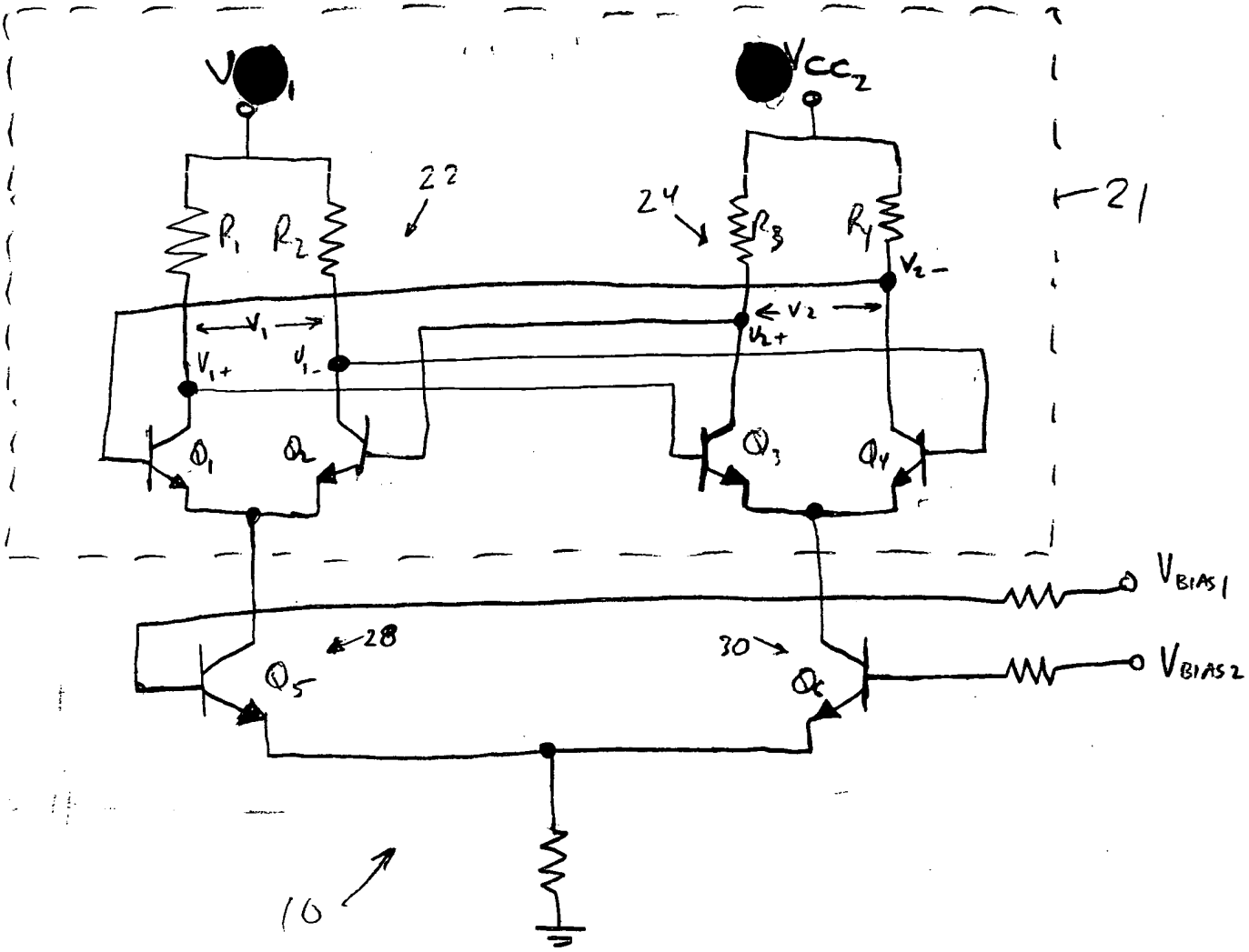
V_{CC_1}
V_{CC_2}
22
24
21
R_1
R_2
R_3
R_4
V_{2-}
V_1
V_2
V_{1+}
V_{1-}
V_{2+}
Q_1
Q_2
Q_3
Q_4
V_{BIAS1}
V_{BIAS2}
28
30
Q_5
Q_6
10

Figure 2

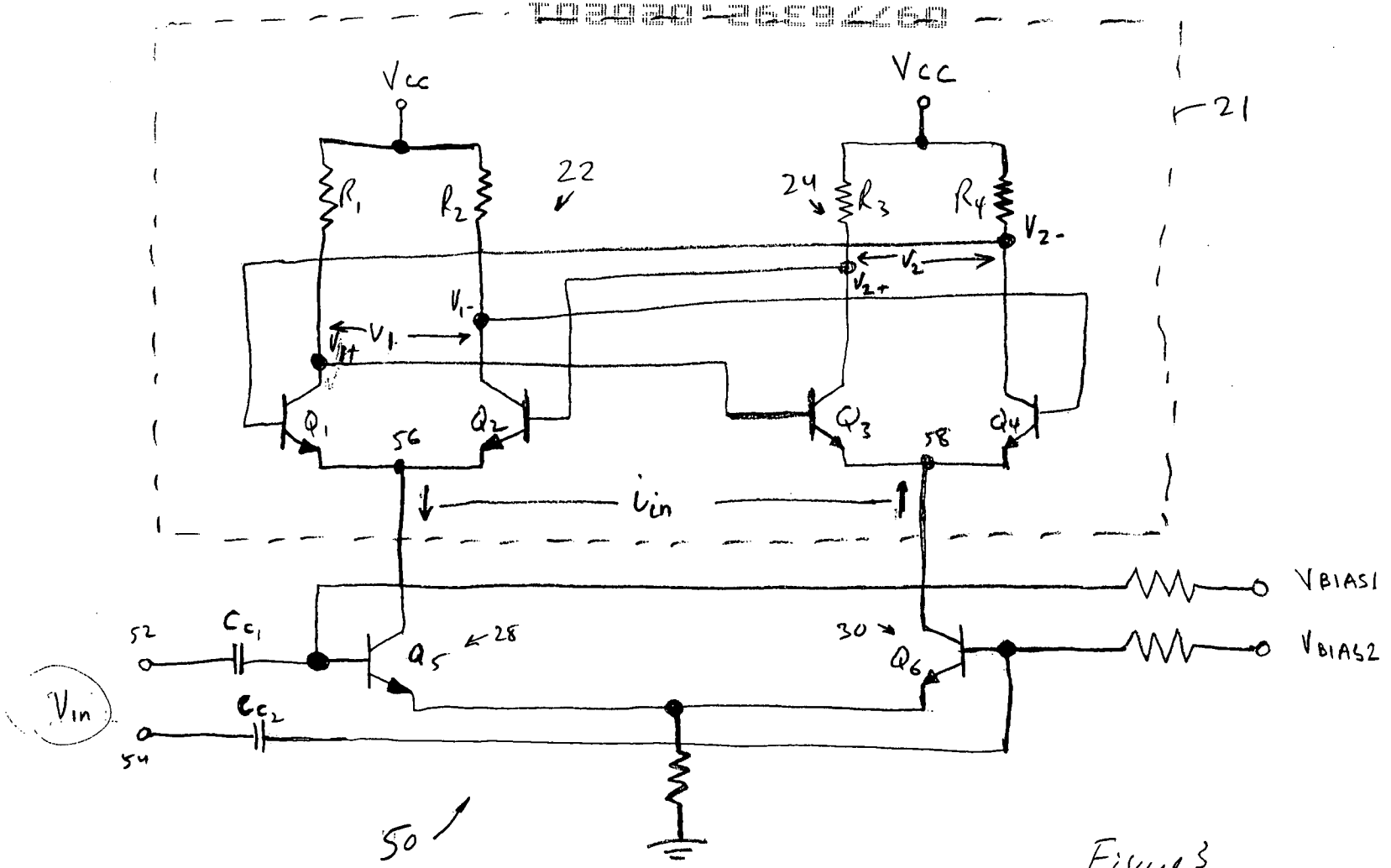
Vcc
Vcc
21
22
24
R1
R2
R3
R4
V2-
V2
V2+
V1-
V1
V1+
Q1
Q2
Q3
Q4
56
58
iin
VBIAS1
VBIAS2
52
Cc1
Q5
28
30
Q6
Vin
Cc2
54
50

Figure 3

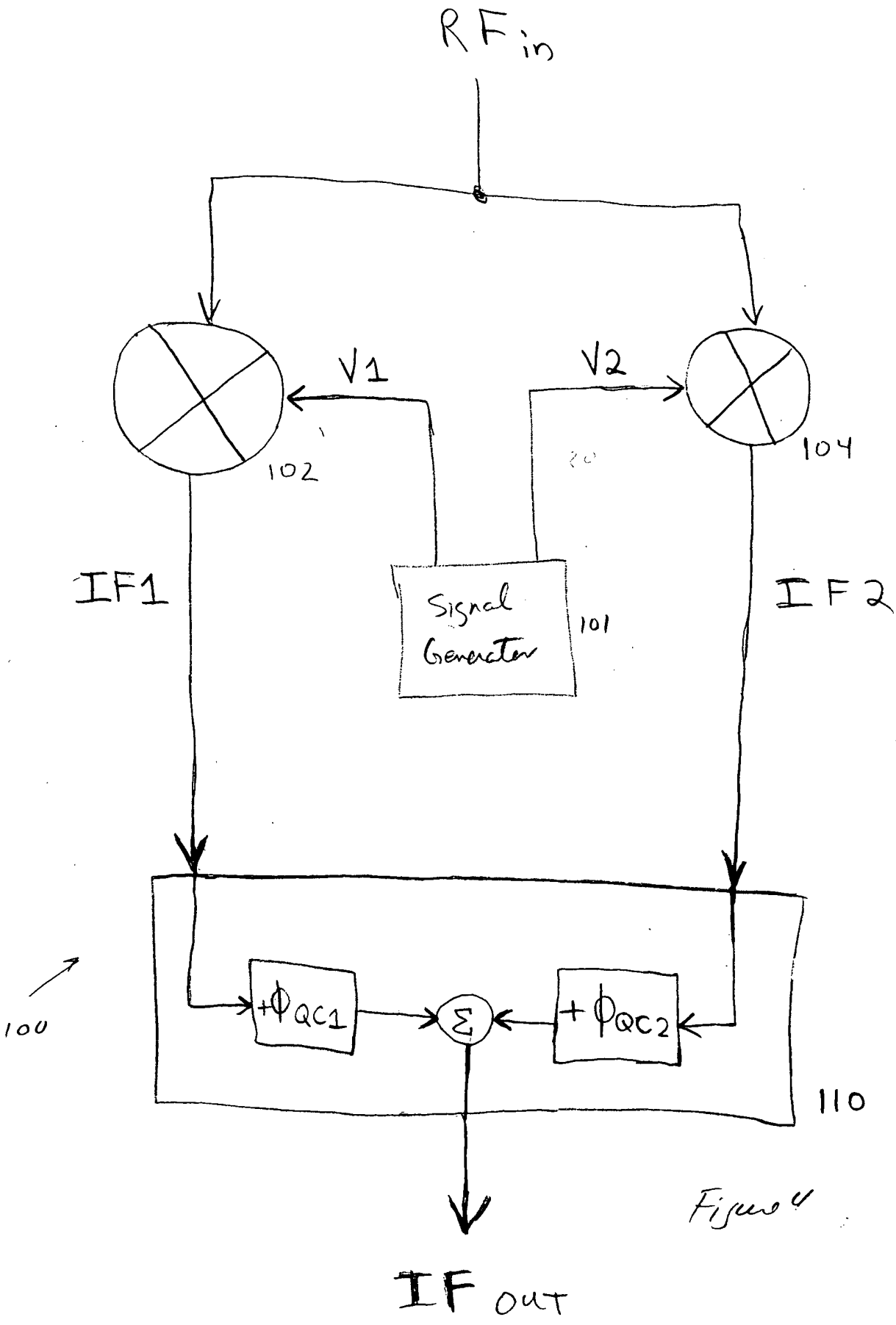
RF in
V1
V2
102
104
IF1
IF2
Signal Generator
101
100
+ϕQC1
Σ
+ϕQC2
110
IF OUT

Figure 4

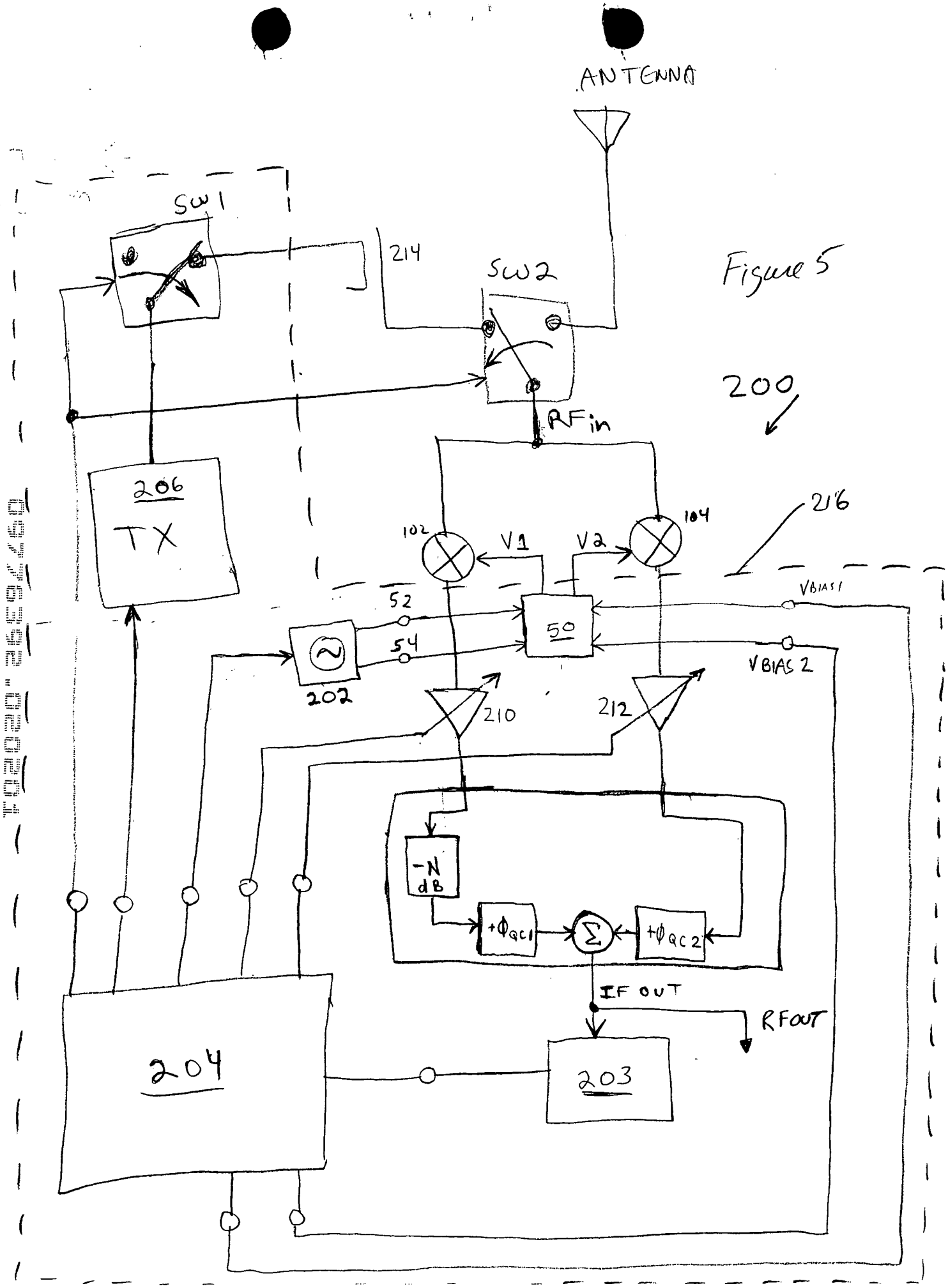
ANTENNA
SW1
214
SW2
RFin
200
206
TX
102
104
V1
V2
216
VBIAS1
52
54
50
VBIAS 2
202
210
212
-N dB
+ϕQC1
Σ
+ϕQC2
IF OUT
RFOUT
204
203

Figure 5